LAKHAN PALORE

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PROFESSIONAL SUMMARY

- Experienced **Full Stack Developer** with **5+ years** of expertise in building scalable, maintainable, and **high-performance web applications**, **Java, Spring Boot**, and **Python**. Skilled in **C#, C++**.
- Proficient in **React, Redux, TypeScript, and TailwindCSS** for modern **frontend development** with a focus on usability and performance.
- Familiarity with **SDLC, CI/CD pipelines**, and tools like **JIRA, Bitbucket, Jenkins, Artifactory**, and **Ansible** to drive **continuous delivery and change management**.
- Experienced in developing and maintaining **modular**, **component-based architectures** to support unified ecosystems.
- Expertise in deploying solutions on **on-premises and cloud platforms** including **AWS**, **Azure**, and **GCP**, with proficiency in **Docker** and **Kubernetes** for containerized applications.
- Proficient in **data science**, **deep learning**, and **machine learning** technologies, with hands-on experience in **AI model training** and inferencing.
- Skilled in **CUDA programming** and leveraging **TensorFlow** and **PyTorch** frameworks for DL applications, with experience in **GPU-related technologies**.

TECHNICAL SKILLS

Programming Languages: JavaScript, Java, C/C++, Python, C#, R
Frontend Technologies: React, Angular, TypeScript, HTML, CSS, Bootstrap
Backend & Frameworks : Spring Boot, Spring MVC, Node.js, ASP.NET, Flask, Hibernate, Spring JDBC
Design Implementation : Figma, Responsive Design, Accessibility Standards
Web Containers : Tomcat 9.0+, Jboss, Apache 2.4.x
Database Management : MySQL, PostgreSQL, SQL Server, MongoDB, DB2
Cloud Platforms : AWS (EC2, S3, RDS, Lambda, IAM), Microsoft Azure, GCP
DevOps & CI/CD Tools : Jenkins, GitLab, CI/CD, Docker, Ansible, Git, Kubernetes
Machine Learning & Data Analysis : TensorFlow, Pandas, NumPy, Scikit-Learn, OpenCV, Matplotlib
Testing Tools: Jest, Mocha, Postman

PROFESSIONAL EXPERIENCE

Ev buddy Inc.   **Remote**
Software Engineer (Intern)   *August 2024 - Present*
- Led the development of a full-stack web application, achieving a 30% improvement in user engagement through core functionalities such as user authentication, product CRUD operations, and a responsive user interface.
- Developed scalable frontend solutions using React, Redux, and TypeScript, improving user engagement by 30%.
- Designed and implemented RESTful APIs that connected machine learning models to existing databases, facilitating data-driven solutions; streamlined data access for 15+ teams, resulting in a 30% decrease in project turnaround time.
- Implemented comprehensive user authentication system with role-based access controls and developed automated user provisioning processes, reducing manual intervention by 40%.
- Optimized database performance for relational and NoSQL databases, ensuring data integrity and scalability.
- Analyzed user feedback and performance metrics to guide iterative development, enhancing overall application usability.
- Led code reviews and testing processes to maintain a clean, scalable codebase. Developed scalable backend services using Spring Boot and deployed on AWS, improving system reliability.
- Automated containerized application deployments using Docker and Kubernetes, reducing setup times by 35%.

University of Cincinnati   **Cincinnati, OH, USA**
Research Assistant   *December 2023 - August 2024*
- Analyzed and comprehended the Java codebase of the I2P project, an anonymous network layer designed for censorship-resistant and secure communication.
- Gained a deep understanding of the code's structure, including classes, methods, and their interactions, to facilitate efficient debugging and enhancements.
- Researched and addressed technical challenges and design considerations involved in building secure and anonymous communication systems.

- Explored advancements in anonymity and secure communication technologies to understand their implications for privacy and online freedom.
- Collaborated under the guidance of Dr. Jacques, contributing to the I2P Research Project through regular progress updates, discussions, and iterative improvements.
- Delivered insights to improve the system architecture and optimize the performance of secure communication protocols.

TATA CONSULTANCY SERVICES (TCS) **Hyderabad, Telangana, India**
System Engineer *August 2021 - August 2023*
- Designed and implemented RESTful APIs using Spring Boot and Hibernate, achieving seamless backend integration and reducing response times by 15%.
- Developed a microservices-based architecture with integrated access control mechanisms and also automated ETL process with built-in access validation
- Ingested large data sets into the Enterprise Data Lake from diverse sources (databases/files), transforming them using PySpark and SQL, resulting in 30% faster ETL processes.
- Implemented high-performance, responsive web applications using React and TailwindCSS.
- Collaborated with design and product teams to ensure design fidelity and seamless feature integration. Conducted performance testing and optimization, reducing page load times by 25%.
- Tuned SQL queries for enhanced data processing, achieving a 20% improvement in performance.
- Collaborated on Agile development projects using JIRA and Bitbucket, ensuring seamless cross-functional team coordination.

CLASSIC ENGINEERING SOLUTIONS **Remote**
Full Stack Developer *February 2020 - July 2021*
- Developed and automated testing scripts using Python, ensuring 98% accuracy in testing and reducing manual effort by 30%.
- Designed and implemented RESTful API interfaces integrated with MySQL and deployed on AWS ECS, improving backend scalability and reliability.
- Processed and ingested large datasets into distributed systems using PySpark and SQL, optimizing data workflows by 25%.

Classic Engineering Solutions **Remote**
Software Engineering Intern *August 2019 - January 2020*
- Co-ordinated in the creation and testing of backend code in the programming languages Java, Python, and Node.js, assisting with the server-side core development.
- Directed the code review processes to ensure code quality and adherence to best practices, learning from feedback and improving coding skills.
- Processed system functionality by debugging and refining backend processes, which contributed to a smoother user experience; which was utilized by 12 developers for ongoing performance monitoring and optimizations.

VERZEO **Hyderabad, Telangana, India**
Student Intern *January 2019 - July 2019*
- Improved machine learning model accuracy by 15% for face recognition systems using decision trees, Naive Bayes, and kNN algorithms in Python.
- Reduced processing time for text summarization by 20% using Python libraries like scikit-learn, NumPy, and pandas, optimizing data analysis workflows.

EDUCATION

University of Cincinnati **December 2024**
Master's, Information Technology *GPA: 4*

Jawaharlal Nehru Technological University **June 2021**
Bachelor's, Computer Science *GPA: 3.1*

CERTIFICATIONS

Google Cloud Certified Associate Cloud Engineer (ACE)
Microsoft certified: Azure Administrator Associate (AZ-104)